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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/563,545

02/15/2007

Hannu Pirila

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10945

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09/23/2011

NOKIA CORPORATION

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EXAMINER

JAMA, ISAAK R

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/563,545	PIRILA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Isaak R. JAMA	2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 November 2010.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 5) ☒ Claim(s) 1-22 is/are pending in the application.
- 5a) Of the above claim(s) 2,7,13 and 16 is/are withdrawn from consideration.
- 6) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 7) ☒ Claim(s) 1, 3-6, 8-12, 14, 15 and 17-22 is/are rejected.
- 8) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 9) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____.                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____.  | 6) <input type="checkbox"/> Other: ____.                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1, 3-6, 8-12, 14, 15 and 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 6,615,042 (Britt et al.) in view of U.S. Patent Number 6,748,246 (Khullar).
2. Regarding claims 1, 6, 9, 12, 15, 18 and 20-22, Britt teaches a method of handling subscriber services in a wireless intelligent network **[Title]** operating in a network device which is a component of a communication system and which is operable to serve a multimode terminal in a first mode, the method comprising: receiving service request signaling from the terminal for requesting a service in at least one of various modes supported by the terminal: said service being unsupported the network device or by the multimode terminal in the first mode **[Column 4, lines 35-39; i.e. query messages may be sent concurrently, and indicate that a subscriber is attempting to register with an MSC that would result in the SCP's service not being offered because the MSC does not support the required trigger(s)]**, and handing over the terminal to another network device supporting a second mode and the requested service in order to establish the service in the second mode for the multimode terminal

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to receive the requested service from the other network device in the second mode, the requested service being supported by the multimode terminal in the second mode

**[Column 2, lines 17-35; i.e. a method in a Wireless Intelligent Network (WIN) of handling subscriber services when a serving Mobile Switching Center (MSC) does not support all WIN triggers. The WIN includes a Home Location Register (HLR) having a subscriber profile that indicates the WIN triggers required to support a particular subscriber's active WIN services. The method includes the steps of sending from the MSC to the HLR, an indication of the WIN triggers supported by the MSC; identifying by the HLR, the WIN triggers in the profile that are not supported by the MSC; and identifying for each WIN trigger in the profile that is not supported by the MSC, an associated service-providing entity in the network. The HLR then queries each identified service-providing entity for call-treatment instructions which are then sent from the service-providing entities to the HLR. This is followed by the steps of determining by the HLR, a call-treatment response; and sending the call-treatment response to the MSC].** But Britt does not specifically teach that the terminal is a multimode terminal or the services are in different modes. Khullar teaches a method and apparatus for selecting an access technology in a multi-mode terminal **[Title]**, whereby a multi-mode terminal **[Figure 3]** with three access technologies (i.e. modes), such as GSM, W-CDMA and Edge-Compact, and that if a network connection can be maintained using W-CDMA at the radiated power level RPL B, and using EDGE Compact at the radiated power level RPL C, the multimode terminal would select W-CDMA as the optimal AT (access technology)

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**[Column 5, lines 10-13]**. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to include the multimode terminal and method of Khullar into the network system of Britt in order to facilitate user requests in different access systems.

3. Regarding claims 3, 8, 14, 17 and 19, Britt further teaches a method, system and apparatus where that the network device is using service request signaling messages that as such are used for services supported in the first mode, but using signaling parameter code points indicating a specific service that is not supported by the network device or by the multimode terminal in the first mode **[Column 5, lines 41-50; i.e. when the MS 10 makes a call access at 32, the serving MSC 11 sends a Location Request (LOCREQ) Invoke message 33 to the HLR 12 associated with the MS, and includes the WINCAP parameter. At 34, the HLR begins its logic processing to determine how to handle this call access. In the illustrated example, the subscriber profile in the HLR indicates that the subscriber has services built on WIN triggers that are not supported by the MSC capabilities reported in the WINCAP parameter. In particular, Trigger X is not supported]** but the specific service being supported by another system operating in the second mode **[Column 5, lines 50-53; i.e. From the WIN trigger profile, the HLR has the addresses of the SCPs that are associated with each trigger, and determines that SCP1 (13) is associated with Trigger X]**.

4. Regarding claims 4, 5, 10 and 11, Khullar further teaches a method wherein the service request signaling is triggered by a multimode terminal originated service

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establishment request [**Column 3, lines 48-55; i.e. a first multi-mode terminal, e.g., a mobile station (MS), is communicating with a second multi-mode terminal, e.g., one or more base stations (BS), within a communicating network. Both the MS and the BS are capable of transmitting and receiving information within the network using various AT links, e.g., W-CDMA, GSM, and EDGE Compact**].

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaak R. JAMA whose telephone number is (571)270-5887. The examiner can normally be reached on Monday-Thursday; 7:30 a.m-5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/IRJ/

**/LESTER KINCAID/  
Supervisory Patent Examiner, Art Unit 2617**